

Title (en)

Liquid container for gas humidification and liquid storage device

Title (de)

Flüssigkeitsbehälter zur Gasbefeuchtung und Flüssigkeitslagervorrichtung

Title (fr)

Récipient de liquide pour humidification des gaz et dispositif de stockage de liquide

Publication

EP 2837399 A1 20150218 (EN)

Application

EP 13004022 A 20130813

Priority

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Abstract (en)

Disclosed is a liquid container (1) for gas humidification, which comprises a first storage chamber (10) containing a bottom; and a second storage chamber (20) comprising a top wall, a bottom wall and a side wall connected between the top wall and the bottom wall, the second storage chamber being provided with at least one opening (24) which is above the bottom of the first storage chamber, thereby enabling the liquid in the second storage chamber to flow into the first storage chamber in a unidirectional way. In addition, also disclosed is a liquid storage device.

IPC 8 full level

A61M 16/16 (2006.01); **A61M 16/10** (2006.01)

CPC (source: EP)

A61M 16/109 (2014.02); **A61M 16/162** (2013.01); **F24F 2006/008** (2013.01)

Citation (search report)

- [X] GB 1448473 A 19760908 - GRANT G C
- [X] US 5329939 A 19940719 - HOWE BLAIR E [US]
- [X] US 2013174843 A1 20130711 - SMITH IAN MALCOLM [AU], et al
- [X] WO 2012123854 A1 20120920 - KONINKL PHILIPS ELECTRONICS NV [NL], et al
- [A] US 2007240767 A1 20071018 - RUSTAD ANDRE [US], et al
- [X] US 2004099967 A1 20040527 - CHEN SHIH-YEN [TW]
- [A] US 2012235312 A1 20120920 - SHELLY BENJAMIN IRWIN [US], et al

Cited by

CN107243105A; CN107213544A; CN111388834A; US10058673B1; US10112028B2; US10238829B2; US11058846B2; US11135393B2; US11904099B2; US12070555B2

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

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BA ME

DOCDB simple family (publication)

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